



# VOLTCRAFT®

## VOLTCRAFT® - TOP PERFORMANCE IN EVERY WAY

“Since 1982, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft’s success.”

# CPPS-160-42

CE

# LABORATORY POWER SUPPLY

VERSION 12/21

N° 1182100

This convenient laboratory power supply covers a wide range of U and I limits. It differs from conventional power supplies, as it calculates and changes the U and I limits according to the available power. In addition, the upper U and I output levels are adjustable in order to ensure safe operation. It features 3 user-defined presets for frequently used output values. All values can be easily read off the 4-digit LED display. The provided software allows for running cyclical operation (max. 999 cycles), offering 20 programmable U and I presets with alternating duration. The laboratory power supply offers a variety of safety mechanisms, such as an output on/off switch, a control panel lock button and protection against over-temperature, over-current, over-voltage and short-circuit.

## HIGHLIGHTS

**Output 0 - 42 V/DC, 0 - 10 A, max. 160 W //**

**Voltage, current and output (On/Off) can be controlled remotely //**

**Software for cyclical operation with 20 programmable presets //**

**3 user-defined defaults (preset) for U and I //**

**Control for fine and rough adjustments //**



# TECHNICAL DATA

Operating voltage	100 – 240 V/AC, 50/60 Hz
Max. input current (230 V/AC)	2.3 A
Maximum output power	160 W
Output voltage	0 – 42 V/DC
Output current	0 – 10 A
Voltage control response at 10 – 100 % load change	80 mV
Voltage control response at mains fluctuation (90 – 264 V/AC)	10 mV
Current control response at 10 – 90 % load change	50 mA
Current control response at mains fluctuation (90 – 264 V/AC)	10 mA
Display accuracy	±(0.2% +0.05) V/A
Degree of effectiveness	86 %
Clock signal	44 – 55 kHz
Performance factor with active PFC	>0.91
Device fan	Temperature controlled (0 – 100 %)
Mains fuse slow-blow (5 x 20 mm)	T3.15AL250V
Operating temperature	0 to +40 °C
Operating humidity	10 – 80 %, non-condensing
Storage temperature	-15 to +70 °C
Storage humidity	0 – 85 %, non-condensing
Operating altitude	max. 2000 m above mean sea level
Safety class	1
Approvals	CE EMC: EN 55012, LVD: EN 61010
Weight	2.5 kg
Dimensions (W x H x D)	200 x 90 x 250 mm

## PACKAGE CONTENT

Laboratory power supply // Power cable // USB cable // Software CD // Plug for remote connection // Output line // Operating instructions

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